Claims

Please cancel Claims 1-9, 11-12, 14, 27, 32-33, and 35, and amend Claims 10, 13, 15-20, 22-26, 29-31, 34, and 38-39, all as shown below.

1-9.   (Canceled).

10.   (Currently Amended) A method for ~~providing~~ transferring content to a plurality of content ~~repository~~ repositories, comprising:

~~providing a process operable to interact with a virtual content repository (VCR) and capable of communicating with the VCR using a computer network;~~

~~providing a mechanism for the process to interact with the VCR;~~

identifying a ~~first~~ content in at least one of a file system and a website by traversing the at least one of a file system and a website;

associating a ~~first~~ schema with the ~~first~~ content; and

communicating with a virtual content repository (VCR) via an Application Programming Interface (API) to provide the content and the schema to the VCR;

~~providing at least one of the following to the VCR:~~

~~1) the first content;~~

~~2) a reference to the first content; and~~

~~3) the first schema to the VCR; and~~

wherein the VCR integrates ~~at least one content repository~~ a plurality of content repositories into a logical content repository and transfers the content and the schema to the plurality of content repositories; and

wherein the API presents a unified view of the plurality of content repositories as a single repository.

11.   (Canceled).

12.   (Canceled).

13.   (Currently Amended) The method of claim 10 wherein:

each content repository in the plurality of content repositories ~~one of the at least one content repositories~~ exposes a first set of services to ~~enable its integration~~ plug into the VCR.

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14.   (Canceled)

15.   (Currently Amended) The method of claim 10 wherein the step of identifying the ~~first~~ content includes:

extracting properties from one of:

1) a file;

2) a hypertext markup language (HTML) document; and

3) an Extensible Markup Language (XML) document.

16.   (Currently Amended) The method of claim 10 wherein the step of associating the ~~first~~ schema with the ~~first~~ content includes:

acquiring the ~~first~~ schema from at least one of:

1) a file;

2) a hypertext markup language (HTML) document; and

3) an Extensible Markup Language (XML) document.

17. (Currently Amended) The method of claim 10 wherein the step of ~~providing the first content and/or the first schema to the VCR~~ communicating with the VCR includes:

persisting in one of the plurality of content repositories ~~at least one content repositories the at least one of:~~ the content and the schema.

~~1) the first content;~~

~~2) the reference to the first content; and/or~~

~~3) the first schema.~~

18.   (Currently Amended) The method of claim 10 wherein the step of ~~providing the first content and/or the first schema to the VCR~~ communicating with the VCR includes:

preserving in one of the plurality of content repositories ~~at least one content repositories~~ hierarchical relationships between the ~~first~~ content and other content in the VCR.

19.   (Currently Amended) A content mining system for ~~providing~~ transferring content to ~~at least one content repository~~ a plurality of content repositories, comprising:

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a first process ~~operable to interact~~ that interacts with a Virtual Content Repository (VCR);

a first set of services ~~operable to enable~~ that enables ~~integration of the at least one content repository~~ a plurality of content repositories to plug into the VCR;

a second set of services ~~operable to enable~~ that enables interaction between the first process and the VCR;

wherein the first process ~~is operable to provide~~ provides to the VCR ~~at least one of:~~ a content and a schema corresponding to the content;

~~1) content;~~

~~2) a reference to the content; and~~

~~3) a schema corresponding to the content;~~ and

wherein the VCR ~~is operable to integrate~~ integrates the ~~at least one content repository~~ plurality of content repositories into a logical repository and transfers the content and the schema corresponding to the content to the plurality of repositories; and

wherein the second set of services is an Application Programming Interface (API) that presents a unified view of the plurality of content repositories as a single repository.

20.   (Currently Amended) The system of claim 19, further comprising:

at least one second process ~~operable to interact~~ that interacts with the first process;

wherein the at least one second process ~~is operable to provide~~ provides to the first process the ~~at least one of:~~ content and the schema corresponding to the content;

~~1) content;~~

~~2) a reference to the content; and~~

~~3) a schema corresponding to the content;~~ and

a third set of services ~~operable to enable~~ that enables interaction between the at least one second process and the first process.

21.   (Original) The system of claim 20 wherein:

the third set of services provides a first function for directing the at least one second process to extract at least one property from the content; and

wherein a property is an association between a name and a value.

22.   (Currently Amended) The system of claim 20 wherein:

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the at least one second process ~~can derive~~ derives the schema from the content.

23. (Currently Amended) The system of claim 19 wherein:

the content ~~can include~~ includes at least one property; and

wherein a property is an association between a name and a value.

24. (Currently Amended) The system of claim 19, further comprising:

at least one second process ~~operable to derive~~ that derives the at least one property from the content.

25. (Currently Amended) The system of claim 19, further comprising:

at least one second process ~~operable to locate~~ that locates the schema corresponding to the content.

26. (Currently Amended) The system of claim 19, further comprising:

at least one second process ~~operable to extract~~ that extracts at least one of the content ~~and/or~~ the schema from at least one of:

    1) a file;

    2) a hypertext markup language (HTML) document; and

    3) an Extensible Markup Language (XML) document.

27. (Canceled).

28. (Original) The system of claim 19 wherein:

the first set of services and the second set of services share a content model.

29. (Currently Amended) A system, comprising:

~~means for providing a process operable to interact with a virtual content repository (VCR) and capable of communicating with the VCR using a computer network;~~

~~means for providing a mechanism for the process to interact with the VCR;~~

means for identifying a ~~first~~ content in at least one of a file system and a website by traversing the at least one of a file system and a website;

means for associating a ~~first~~ schema with the first content;

means for communicating with a virtual content repository (VCR) via an Application Programming Interface (API) to provide the content and the schema to the VCR;

~~means for providing at least one of the following to the VCR:~~

~~1) the first content;~~

~~2) a first to the first content; and~~

~~3) the first schema to the VCR; and~~

wherein the VCR ~~is operable to~~ integrates a plurality of content repositories into a logical repository and ~~provide~~ transfers the content and the schema to the ~~at least one content repository~~ plurality of content repositories; and ~~at least one of:~~

~~1) the first content;~~

~~2) a reference to the first content; and~~

~~3) the first schema to the VCR.~~

wherein the API presents a unified view of the plurality of content repositories as a single repository.

30.   (Currently Amended) A method for transmitting code over ~~computer data signal embodied in~~ a transmission medium, comprising:

~~a code segment including instructions to provide a process operable to interact with a virtual content repository (VCR) and capable of communicating with the VCR using a computer network;~~

~~a code segment including instructions to provide a mechanism for the process to interact with the VCR;~~

transmitting a code segment including instructions to identify a first content in at least one of a file system and a website by traversing the at least one of a file system and a website;

transmitting a code segment including instructions to associate a first schema with the first content; and

transmitting a code segment including instructions to communicate with a virtual content repository via an Application Programming Interface (API) to provide the content and the schema to the VCR;

~~a code segment including instructions to provide to the VCR at least one of:~~

~~1) the first content;~~

~~2) a reference to the first content; and~~

~~3) the first schema to the VCR; and~~

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wherein the VCR ~~is operable to provide~~ integrates a plurality of content repositories into a logical content repository and transfers the content and the schema to ~~the at least one content repository~~ the plurality of content repositories; and ~~the at least one of~~

~~1) the first content;~~

~~2) the reference to the first content; and/or~~

~~3) the first schema.~~

wherein the API presents a unified view of the plurality of content repositories as a single repository.

31. (Currently Amended) A machine readable medium having instructions stored thereon that when executed by a processor cause a system to:

~~provide a process operable to interact with a virtual content repository (VCR) and capable of communicating with the VCR using a computer network;~~

~~provide a mechanism for the process to interact with the VCR;~~

identify a first content in at least one of a file system and a website by traversing the at least one of a file system and a website;

associate a ~~first~~ schema with the ~~first~~ content; and

communicate with a virtual content repository (VCR) via an Application Programming Interface (API) to provide the content and the schema to the VCR;

~~provide to the VCR at least one of:~~

~~1) the first content;~~

~~2) a reference to the first content; and~~

~~3) the first schema to the VCR; and~~

wherein the VCR ~~is operable to provide~~ integrates a plurality of content repositories into a logical content repository and transfers the content and the schema to ~~the at least one content repository~~ plurality of content repositories; and ~~the at least one of:~~

~~1) the first content;~~

~~2) the reference to the first content; and/or~~

~~3) the first schema.~~

wherein the API presents a unified view of the plurality of content repositories as a single repository.

32. (Canceled).

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33.   (Canceled).

34.   (Currently Amended) The machine readable medium of claim 31 wherein:
        each one of the ~~at least one~~ plurality of content repositories exposes a first set of services to ~~enable its integration~~ plug into the VCR.

35.   (Canceled).

36.   (Original) The machine readable medium of claim 31, further comprising instructions that when executed cause the system to:
        extract properties from one of:
            1) a file;
            2) a hypertext markup language (HTML) document; and
            3) an Extensible Markup Language (XML) document.

37.   (Original) The machine readable medium of claim 31, further comprising instructions that when executed cause the system to:
        acquire the first schema from at least one of:
            1) a file;
            2) a hypertext markup language (HTML) document; and
            3) an Extensible Markup Language (XML) document.

38.   (Currently Amended) The machine readable medium of claim 31, further comprising instructions that when executed cause the system to:
        persist in one of the ~~at least one~~ plurality of content repositories ~~the at least one of:~~ the content and the schema.
            ~~1) the first content;~~
            ~~2) a reference to the first content; and~~
            ~~3) the first schema to the VCR.~~

39.   (Currently Amended) The machine readable medium of claim 31, further comprising instructions that when executed cause the system to:

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preserve in one of the ~~at least one~~ <u>plurality of</u> content repositories hierarchical relationships between the first content and other content in the VCR.